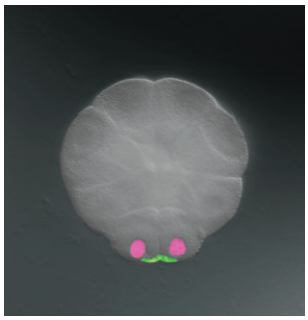
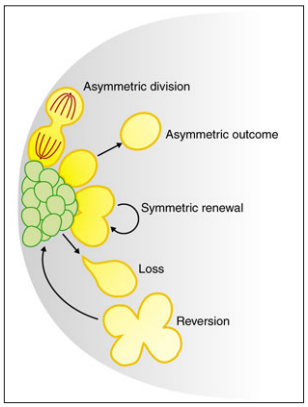
Development



Cover: A 16-cell stage *Ciona intestinalis* embryo probed for *Ci-pem-1* mRNA (green) and Ci-Pem-1 protein (magenta). In the pair of germline blastomeres, *Ci-pem-1* mRNA is highly concentrated in the postplasm at the posterior cortex, whereas Ci-Pem-1 protein is also enriched in the nuclei. **See Research article by Shirae-Kurabayashi et al. on p. 2871.**



Tissue maintenance depends on stem cells that reside in specialised niches. Here, de Cuevas and Matunis review recent studies of the *Drosophila* testis and discuss how germline and somatic stem cells within this niche respond to local and systemic changes. **See Review on p. 2861.**